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Santiaguito Dome Geologic Map 2006

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Geologic units

The map follows conventions used by Rose (1972). All deposits of Santiaguito are mapped with prefix R for "recent". "Ral" corresponds to alluvial deposits; "Rac" corresponds to active river channels, some of which are seasonal or intermittent; "Rta" corresponds to active talus; "Rte" corresponds to eroded talus; "Rts" corresponds to stable talus usually covered with vegetation. Remaining units are all of the dome complex extruded at different times since 1922. The second letter refers to the location of the source vents: "Rc" El Caliente vent; "Re" La Mitad Vent; "Rm" El Monje Vent and "Rb" El Brujo Vent. The third letter expresses the age progression of units from each vent, starting with "a" for the oldest, and continuing in alphabetic order to the youngest (e. g. from "a" (Rba) for the oldest (1958) to "h" (Rbh) for the youngest (1975) El Brujo vent units). Some older units mapped by Rose can no longer be found at the surface, as they are covered by younger units. These correspond to missing letters (e. g. Rca, Rcb, Rcc, Rcd). Additional numbers at the end of some unit names are used to distinguish between subunits that were emplaced sequentially in time, e. g. subunit Rcn1 was followed by subunit Rcn2. For more details on Santiaguito's growth history and evolution see Rose, 1972; Rose, 1987; Harris et al 2003, and Harris et al 2004.



		Scale:
0	0.5	1

NOTE: The electronic image file for this map is formatted for printing at a 1 : 7,500 scale for a paper printing size A0 (841 mm X 1189 mm).

Michiganiech

2 Km

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